



Oxygen and life support

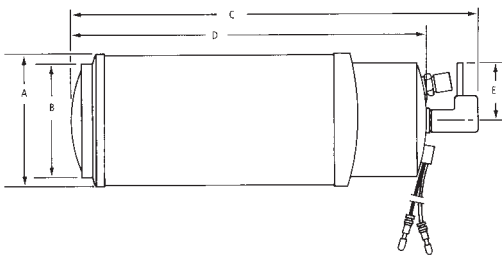
Oxygen and life support



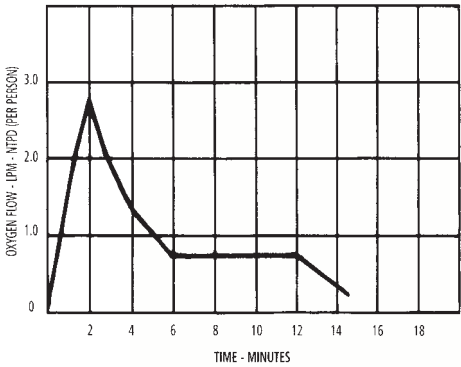
Chemical Oxygen Generators

LOCKHEED TYPE

Shown In "Ready To Install" Condition; See Warning This Page



OXYGEN FLOW



801462 Series Table of Characteristics										
AVOX Part No.	Total Liters (Min.)	No. of Persons Served*	Outlet Angle	DIMENSIONS					Max. Weight (lbs.)	Lockheed Part No. 671971
				A	B	C	D	E		
801462-04	14.8	1	90°	2.23 Max.	1.88	8.11 Max.	7.10 Max.	1.25 Max.	.74	-101
801462-05	29.5	2	90°	2.84 Max.	2.25	8.15 Max.	7.14 Max.	1.25 Max.	1.13	-103
801462-06	44.3	3	90°	3.24 Max.	2.75	8.16 Max.	7.08 Max.	1.25 Max.	1.51	-105

*Number of persons served corresponds to number of outlets.

WARNING

IMPROPER USE OR IMPROPER MAINTENANCE OF THIS EQUIPMENT MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH. THESE ASSEMBLIES ARE INTENDED TO BE USED ONLY FOR AVIATION APPLICATIONS AS COMPONENTS OF A COMPLETE AVIATION OXYGEN SYSTEM USED ONLY BY, OR UNDER THE SUPERVISION OF, A PILOT OR CREW MEMBER TRAINED AND QUALIFIED IN ITS USE. CHEMICAL OXYGEN GENERATORS PRODUCE OXYGEN AND HEAT WHEN ACTUATED. SURFACE TEMPERATURE OF GENERATORS MAY REACH 400°F OR HIGHER WHEN ACTUATED. INADVERTENT ACTUATION OF A CHEMICAL OXYGEN GENERATOR MAY RESULT IN FIRE, PERSONAL INJURY OR DEATH. CHEMICAL OXYGEN GENERATORS MUST BE HANDLED ONLY BY AUTHORIZED PERSONNEL KNOWLEDGEABLE IN THE HAZARDS OF

OXYGEN AND CHEMICAL OXYGEN GENERATORS. ALL APPLICABLE AIRCRAFT MAINTENANCE INSTRUCTIONS MUST BE STRICTLY FOLLOWED FOR INSTALLATION AND MAINTENANCE. THE NAMES OF AUTHORIZED SERVICE CENTERS ARE AVAILABLE FROM AVOX SYSTEMS OR YOUR AUTHORIZED AVOX SYSTEMS DISTRIBUTOR. THIS EQUIPMENT IS TO BE USED ONLY WITH AVIATION BREATHING OXYGEN. NOTE: OXYGEN GENERATORS ARE CONSIDERED A HAZARDOUS MATERIAL FOR SHIPMENT AND HAVE BEEN ASSIGNED THE SHIPPING NAME "OXYGEN GENERATOR, CHEMICAL" AND THE IDENTIFICATION NUMBER UN 3356. IN THE UNITED STATES, OXYGEN GENERATORS MAY BE OFFERED ONLY FOR TRANSPORTATION WHEN PACKAGED AND MARKED IN ACCORDANCE WITH AN APPROVAL OR AN EXEMPTION ISSUED BY THE US DOT.



AVOX Systems

225 Erie Street • Lancaster, NY 14086 • Tel: 716 683-5100 • Fax: 716 681-1089 • Technical Sales: 800 459-3690



AVOX Systems' one-, two-, three-, and four-person solid-state generators are the ideal design concept for fixed passenger oxygen systems. They offer immediate oxygen availability without requiring high-pressure oxygen storage.

With the world's largest existing facility for chemical oxygen production, AVOX Systems has produced over 1,250,000 chemical oxygen generators. AVOX Systems' expertise has made these generators the recognized benchmark for quality and excellence in the aviation industry.

These generators satisfy aircraft OEM flow and duration specifications according to a predetermined cabin decompression schedule, as well as purity requirements. While providing optimum safety, reliability, and economy, they afford significant weight reduction over gaseous fixed systems.

AVOX System's chemical oxygen generators were first used in the McDonnell Douglas and Lockheed wide bodies and are also used today in Boeing, Douglas, Cessna, Piper, and Fokker selected models. The electrically actuated versions are standard equipment on all Lockheed L-1011 aircraft.



AVOX Systems



AS9100

Outstanding Features

- Approved for DC-10, MD-11, MD-80, and L-1011 aircraft
- Approved for select Boeing 737, 757, and 767 aircraft models
- Operationally tested at cabin altitudes up to 37,000 feet
- Positive actuation for immediate oxygen
- Operational temperature range 0° to 110°F
- Custom designs for OEM applications available; contact AVOX Systems

These solid-state generators are housed in metal containers with integral filters, insulation, and over-pressure relief.

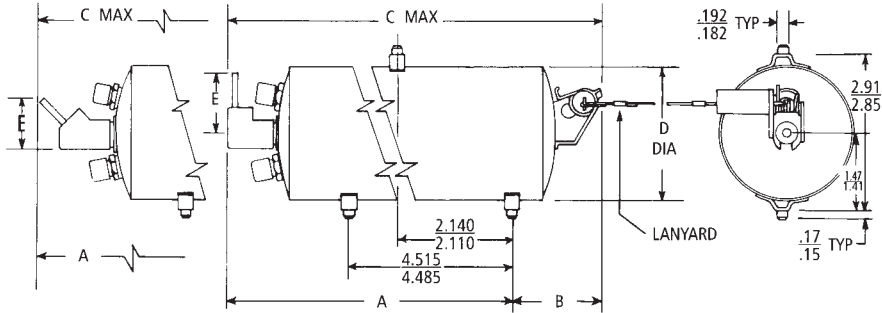
With a percussion-actuated installation, the constant flow mask is pulled to the face (in the event of a decompression), causing the pin on the end of the lanyard to separate from the spring-actuated striker. When the striker contacts the percussion cap, enough heat is generated to initiate the thermal decomposition of the generator core, thereby producing oxygen that meets or exceeds the requirements of SAE AS 8010, aviators breathing oxygen purity standard.

In the case of electrically actuated systems, a central control activates all generators in the aircraft when an aneroid senses decompression or a switch is operated. This controller also energizes the mask compartment door latches, thereby allowing the masks to drop within the passengers’ reach.

The outlets are compatible with 3/32 I.D. vinyl mask hose and the manifolds are capable of 360° swivel.

Douglas Type

Shown In “Ready To Install” Condition; See Warning Last Page

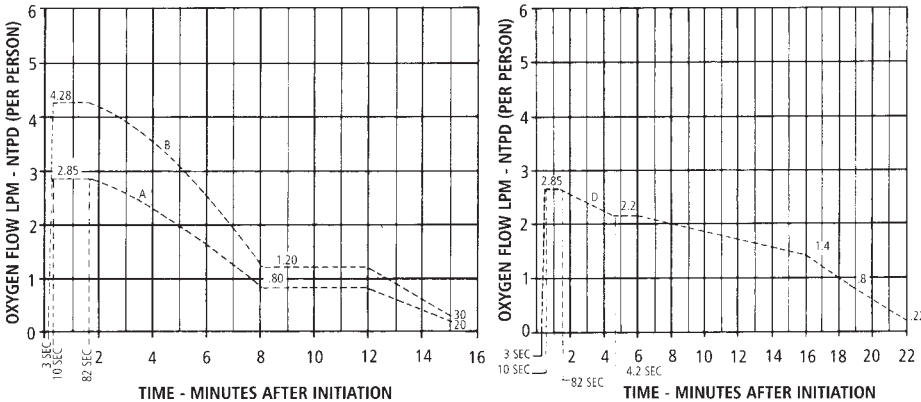


801386 Series Table of Characteristics											
AVOX Part No.	Total Liters (Min.)	Flow Curve	No. of Persons Served*	Outlet Angle	DIMENSIONS					Max. Weight (Lbs.)	Min. Duration/ Mins.
					A	B	C	D	E		
801386-15	42	A	2	90°	6.91 6.64	1.73 1.55	8.645	2.53 2.47	1.25 1.06	1.24	15
801386-22	42	A	2	90°	6.91 6.64	1.73 1.55	8.645	2.53 2.47	1.25 1.06	1.24	15
801386-32	62	A	3	90°	7.33 7.06	1.81 1.62	9.145	2.78 2.72	1.25 1.06	1.69	15
801386-34	62	B	2	90°	7.33 7.06	1.81 1.62	9.145	2.78 2.72	1.25 1.00	1.69	15
801386-81	21	A	1	45°	6.73 6.34	1.72 1.55	8.445	2.28 2.22	1.20 1.00	.85	15
801386-82	42	A	2	45°	7.07 6.68	1.73 1.55	8.805	2.53 2.47	1.20 1.00	1.24	15
801386-83	62	A	3	45°	7.91 7.50	1.81 1.62	9.725	2.78 2.72	1.20 1.00	1.69	15
801386-84	84	A	4	45°	7.94 7.50	1.81 1.62	9.750	2.78 2.72	1.20 1.00	1.74	15
801386-87	75	D	2	90°	7.50 7.32	3.18 2.98	10.68	2.78 2.72	1.12 1.08	1.80	22

*Number of persons served corresponds to number of lanyards and outlets.

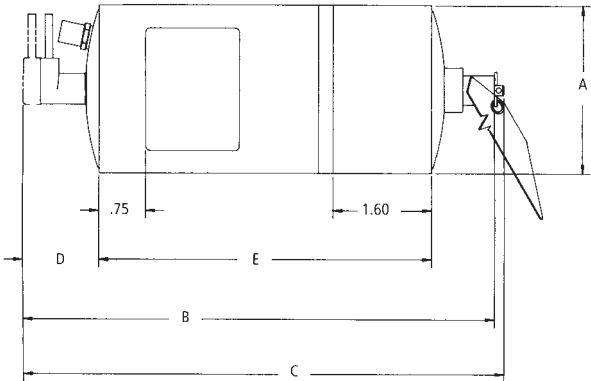
NOTE: Former Part	#801386	-04	-05	-06	-07	-08
Replaced By	#801386	-81	-82	-83	-87	-84

Oxygen Flow—Douglas Type



Boeing Type

Shown In “Ready To Install” Condition; See Warning Last Page

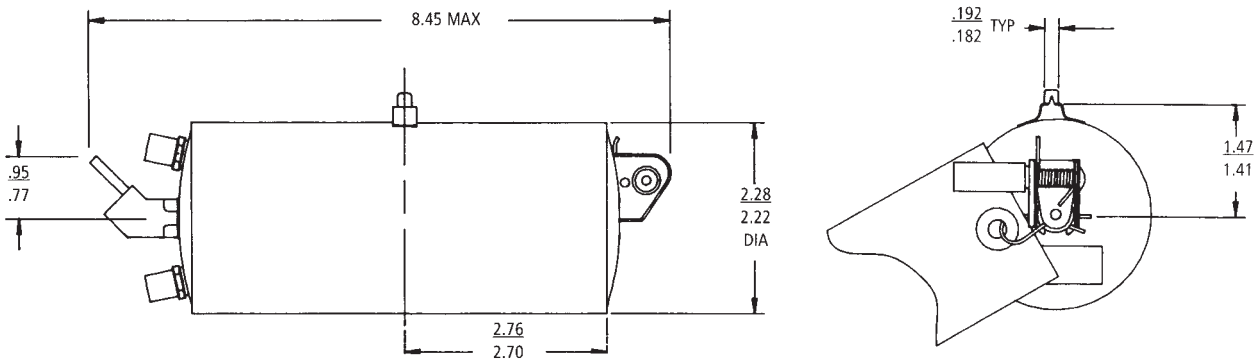


803000 Series Table of Characteristics										
AVOX Part No.	Total Liters (Min.)	No. of Persons Served*	Outlet Angle	DIMENSIONS					Max. Weight (Lbs.)	Boeing Part No. S417T401
				A	B	C	D	E		
803000-02	30	2	90°	2.50	8.00 Max.	8.16 Max.	.97	5.43	.908	-31
803000-03	45	3	90°	2.75	8.00 Max.	8.16 Max.	1.31	5.43	1.167	-32
803000-04	60	4	90°	2.75	8.00 Max.	8.16 Max.	1.31	5.43	1.309	-33
801386-11	15	1	45°	Order Part #801386-11, See Illustration						-29

*Number of persons served corresponds to number of outlets.

Boeing 801386-11 Type

Shown In “Ready To Install” Condition; See Warning Last Page



Oxygen Flow—Boeing

